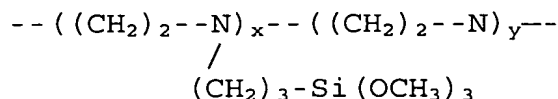


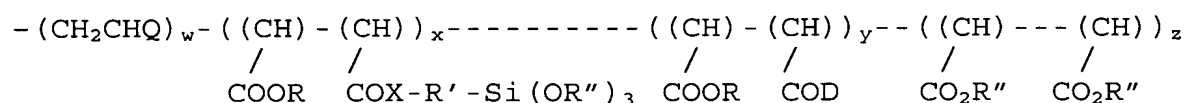
What is claimed:

1. A polymer for the reduction of aluminosilicate containing scale according to the formula:



where $x = 0.5\text{--}20\%$, $y = 99.5\text{--}80\%$.

2. A polymer for the reduction of aluminosilicate containing scale according to formula:

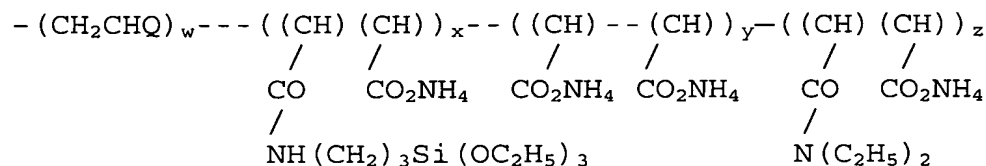


where

$w = 1\text{--}99.9\%$, $x = 0.1\text{--}50\%$, $y = 0\text{--}50\%$, $z = 0\text{--}50\%$; and

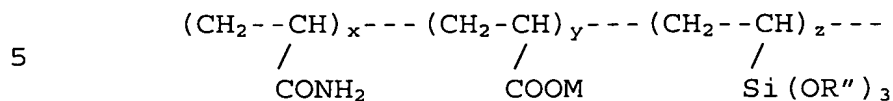
$Q = \text{C1-C10 alkyl, aryl, amide, acrylate, ether, COXR where } X=\text{O or NH and } R=\text{H, C1-C10 alkyl or aryl, or any other substituent;}$
 $R = \text{H, Na, K, NH}_4$;
 $X = \text{NH, NR}'' \text{ or O}$;
 $R' = \text{C1-C10 alkyl, or aryl}$;
 $R'' = \text{H, C1-C3 alkyl, aryl, Na, K or NH}_4$; and
 $D = \text{NR}''_2 \text{ or OR}''$, with the proviso that all R and R'' groups do not have to be the same.

3. The polymer for the reduction of aluminosilicate containing scale according to the formula:



where $w = 1\text{--}99.9\%$, $x = 0.1\text{--}50\%$, $y = 0\text{--}50\%$, $z = 0\text{--}50\%$; and Q is phenyl.

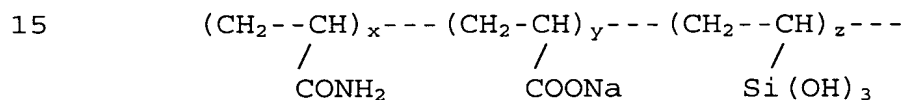
4. A polymer for the reduction of aluminosilicate containing scale according to the formula:



where:

x = 1-99%, y = 1-99%, z = 0.5-20% and
M = Na, K, NH₄; and
10 R'' = H, C1-C3 alkyl, aryl, Na, K or NH₄.

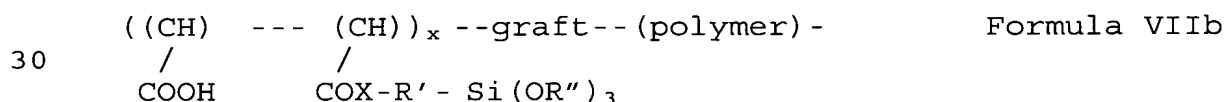
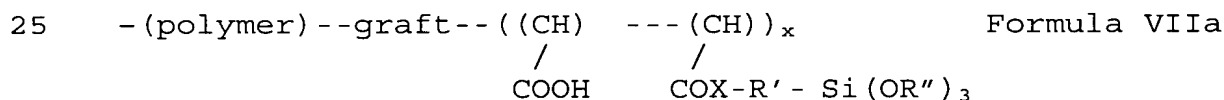
5. The polymer for use in the reduction of aluminosilicate containing scale according to the formula:



where:

x = 1-99%, y = 1-99%, z = 0.5-20%.
20

6. A polymer for use in the reduction of aluminosilicate containing scale, wherein the polymer is a graft copolymer of formula a or formula b:



where x = 0.1 - 99% (as percentage of monomer units in the polymer) and

X = NH, NR' or O;
R' = C1-C10 alkyl, or aryl and
35 R'' = H, C1-C3 alkyl, aryl, Na, K or NH₄.

7. The polymer for use in the reduction of aluminosilicate containing scale according to claim 6 according to the formula:

